

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

In re Patent Application of
NAKAE *et al.*



Application Number: 09/527,446)
Filed March 17, 2000)
For: PRIMER DESIGN SYSTEM)

MAR 08 2002
TECH CENTER 1600/2900

Art Unit 1631
Examiner J. Lundgren

Honorable Assistant Commissioner
for Patents
Washington, D.C. 20231

COVER LETTER

Sir:

[] The fee for submission of additional claims is calculated as shown below:

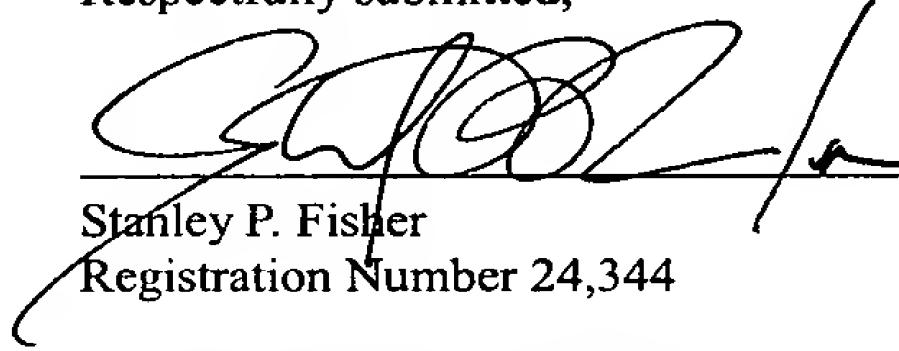
FOR	TOTAL WITH NEW CLAIMS ADDED	TOTAL CURRENTLY ON FILE	CLAIMS PAID	RATE	CALCULATION
Total Claims	17	20	-XX (Over 20)	x \$18	0
Independent Claims	10	13	10 (Over 3)	x \$84	0
MULTIPLE DEPENDENT CLAIM(S)				+ \$280	0
REDUCTION FOR FILING BY SMALL ENTITY (note 37 C.F.R. §§ 1.9, 1.27, 1.28).				x ½	
			TOTAL		0

In addition, the below-identified communications are submitted in the above-captioned application or proceeding:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Response to Office Action
(with Claim Amendments) | <input type="checkbox"/> Petition for Extension of Time |
| <input type="checkbox"/> Information Disclosure Statement | <input type="checkbox"/> Terminal Disclaimer |
| <input type="checkbox"/> Preliminary Amendment | <input type="checkbox"/> Letter to Draftsperson |
| <input type="checkbox"/> Substitute Specification | <input type="checkbox"/> Assignment |
| <input type="checkbox"/> Other _____ | <input type="checkbox"/> Petition under _____ |
| | <input type="checkbox"/> Small entity status |

- Please charge my **Deposit Account Number** _____ in the amount of _____ to cover the fees for _____.
A duplicate copy of this paper is enclosed.
- A check in the amount of \$ 0.00 to cover the fee is enclosed.
- The Commissioner is hereby authorized to charge any additional fees associated with this communication, including patent application filing fees and processing fees under 37 C.F.R. § 1.16 and 1.17, or credit any overpayment to **Deposit Account Number 08-1480**.

Respectfully submitted,



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March 6, 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Patent Application of

NAKAE et al.

MAR 06 2002

Application Number: 09/527,440

Filed March 17, 2000

For: PRIMER DESIGN SYSTEM

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Art Unit 1631

Examiner J. Lundgren

MAR 08 2002
TECH CENTER 1600/2900

**#16(1E
Plunkett
3/14/02**

**Honorable Assistant Commissioner
for Patents
Washington, D.C. 20231**

RESPONSE AND AMENDMENT UNDER 37 C.F.R. §1.111

Sir:

This is in response to the office action dated December 11, 2001, in the above identified application, the period for response to which has been extended to expire on March 11, 2002 with a one-month extension fee filed herewith. Please amend the above identified application with the replacement paragraphs/sections/claims as follows:

IN THE CLAIMS:

Please cancel claims 6, 8, 11, 24, 28-29 without prejudice or disclaimer, and substitute claims 1, 7, 19, 20, 22 with the following amended claims:

1. A primer design system, comprising:

means for selecting at least one DNA nucleotide sequence from a database including a plurality of different DNA nucleotide sequences of the human genome;

means for predicting a plurality of different exons of said selected DNA nucleotide and for storing the predicted exons; and

a control unit for controlling the system, said control unit controlling:

means for extracting a plurality of partial sequences meeting extraction conditions from the predicted exons, wherein said extraction conditions include a predetermined base length;

means for determining positions of said plurality of partial sequences related to each one of said predicted exons and the DNA nucleotide sequence;

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